MEMBRANA CUBIERTAS

SALES FORMAT

15L, 4L

DESCRIPTION

A thick-film waterproof coating featuring ELASTIK technology, offering high flexibility and tensile strength, adapting to surface irregularities and withstanding expansion and contraction. Its UV cross-linking makes it resistant to soiling, water and alkalinity, ensuring maximum protection against leaks. Suitable for roofs with occasional foot traffic (TK1), it is the perfect solution for long-lasting waterproofing with a guarantee of up to 10 years.

SCOPE OF APPLICATION

- Outdoors
- Cement mortar
- Bituminous fabric
- Brick
- Catalan hollow brick
- Concrete
- Terraces
- Roofing
- Roof terraces
- Party walls
- Metal substrates
- Galvanised steel

PROPERTIES

- High elasticity; does not crack or fissure
- Resists contraction and expansion
- Completely waterproof
- Anti-carbonation
- Good water resistance
- Good adhesion
- Suitable for foot traffic in areas with limited access
- Available with fibre

TECHNICAL DATA

Finish	G3 MATTE	UNE-EN 1062-1
Colour	White and colours	
Gloss 85°	2–4	ISO 2813
Theoretical coverage	0.63 L/m² at 300 µm dry film thickness	ISO 23811
Density	1.37 ± 0.05 g/ml	ISO 2811-1
Viscosity	40 ± 10 Pa·s (20 rpm, R6)	ASTM D 2196-10
Volume solids	47 ± 2%	ISO 23811
Fire classification	Broof (t1)	EN 13501-1: 2019 (5505T25-2)
VOC	< 20 g/L. Maximum permitted by the EU: 140 g/L	2004/42/II A Classification (i)
Diluents	Water	
Dilution	Not recommended, except for primer coats.	
Recoating time	4–6 hours	
Drying time	Touch-dry: 3–6 hours / Fully dry: 20–30 days / Washable: 25–30 days	UNE 48301
Cleaning	Water	

The technical data specified may vary if the material is tinted.

PREPARATION OF THE SUBSTRATE

GENERAL RECOMMENDATIONS

Outdoors, do not apply if rain is forecast, in direct midday sun or on damp days.

BITUMINOUS MEMBRANES:

Asphalt may cause exudation, which does not affect its properties. Moisture must be dealt with carefully, as must trapped air; check the surface roughness and finish before coating work begins. Always use a system reinforced with mesh. Clean with pressurised water and use a suitable biocide. All cracks must be sealed beforehand with MEMBRANA CUBIERTAS to ensure the waterproofing is secure. If the fault has occurred at the joint between the membranes, the problem can be resolved by sealing them with a generous coat of MEMBRANA CUBIERTAS FIBRA. Once this application is completely dry, apply 2 coats of ROOFING MEMBRANE, ensuring they extend at least 10 cm beyond the fabric joints, and reinforce them with mesh. If you suspect possible faults in the membrane in areas other than the joints, clean the entire surface thoroughly and proceed as indicated for the relevant surface.

OLD CONTINUOUS-LAYER WATERPROOFING PRODUCTS:

Fill any cracks and fissures with MEMBRANA CUBIERTAS mixed with fine, washed sand in a 2:1 ratio, applied with a flat trowel. Once dry, apply a coat of MEMBRANA CUBIERTAS to the entire surface, following the same direction of application. To achieve high waterproofing performance, insert a mesh between the first and second coats. Next, apply a second coat of MEMBRANA CUBIERTAS, working across the direction of the first coat, ensuring this second coat achieves a minimum thickness of 1 mm. It is important to also waterproof the vertical walls, to a height of at least 15 to 20 cm.

CONSIDERATIONS FOR OTHER SUBSTRATES:

CONCRETE:

The surface must be dry and have undergone the necessary air-curing period (minimum 4 weeks). The substrate must comply with the requirements of the concrete standard UNE-EN ISO 1504-2. If the surface appears crumbly or powdery, apply one coat of TKROM FIJATIVO F1 beforehand.

STONE, BRICK, SLATE OR ROOF TILE:

Pressure wash and use a biocide if necessary. Follow standard preparation procedures. In the case of slate or roof tiles, treat with a special primer before applying the system.

BITUMINOUS MEMBRANE:

Replace the bituminous membrane that is in poor condition. Treat any blisters by cutting them open and removing the trapped water. Allow to dry and apply a fibreglass patch using MEMBRANA CUBIERTAS. Then apply the waterproofing compound.

PLASTIC:

Apply the waterproofing system directly. An adhesion test is recommended before applying the treatment.

PLASTERS AND RENDERING FOR MASONRY:

The condition of the substrate must comply with the UNE-EN 998-2 standard for mortars, and in accordance with its specifications, the adhesion value must meet the requirements specified in the manufacturer's CE marking. Under no circumstances should it be less than 0.2 N/mm². The average value should be 0.3 N/mm².

PAINTS:

Application over existing paintwork is not recommended; such paint must first be removed by water jetting or sandblasting. The quality of the existing coatings is important. Their adhesion should not be less than 0.7 N/mm², and the average value should be greater than 1 N/mm² (ISO 1504-2). Poor adhesion: Use suitable mechanical methods to remove the old paint. The substrate must be properly prepared to accept the new finish. Correct adhesion: Ensure the entire surface is thoroughly cleaned using a steam jet or high-pressure water jet.

METALLIC SUBSTRATES:

The surface treatment of certain metal profiles means that the appropriate procedure must be consulted beforehand. When dealing with ferrous metals, galvanised metals, copper, lead, aluminium, stainless steel or brass, any dirt or oxidation must be removed. Once clean, the waterproofing system can be applied. Where possible, an abrasive treatment should be applied to leave the metal surfaces bare and shiny. Prime where necessary and reinforce joints and fixings. Then apply the waterproofing system.

LIGHT METALS AND GALVANISED SHEET METAL:

Degrease thoroughly; depending on the condition of the substrate, it may be advisable to apply a specific primer for this type of surface, such as IMPRIMACIÓN TKROM GLASS EPOXI 2C (325). Next, apply two coats of ROOFING MEMBRANE, interlaying a glass fibre mesh between coats, to achieve a minimum thickness of 1 mm and a maximum of 3 mm.

PREPARATION OF THE SUBSTRATE

IRON OR STEEL:

Any traces of corrosion must first be removed, and once the surface is clean and dry, it must be primed with specific products for its protection, such as TKROM SYNTHETIC ANTI-CORROSIVE PRIMER (628) or TKROM 2-COMPONENT EPOXY ANTI-CORROSIVE PRIMER (317).

PREPARATION OF THE SUBSTRATE:

It is essential to remove any elements which, if left in place whilst our treatment is being applied, could compromise its durability and resistance. As these are areas subject to high levels of moisture over long periods, the presence of microorganisms is very common; these must be properly removed prior to waterproofing. To do this, remove mould and moss using mechanical methods such as scrapers, wire wool and brushes, and by applying a 10–20% bleach solution with a brush or by spraying. Once the surface has been rinsed of any bleach residue, apply TKROM LIMPIADOR REFORZANTE. If the microbial infestation is very severe, this treatment may be repeated; in such cases, it is also highly recommended to apply a coat of TKROM IMPRIMACIÓN SELLADORA-SANEADORA after 24–48 hours. After rinsing with water, wait 24–48 hours before proceeding with the next steps.

SURFACE PREPARATION:

Any damage must be repaired beforehand, including damage caused by the natural ageing of the surface, as well as any damage that may have occurred during cleaning and disinfection. For this purpose, we recommend using the product "TKROM PLAST", which is very easy to apply and sand, following, as always, the preparation and application instructions set out in its technical data sheet. If the terrace to be waterproofed has a ceramic or tiled floor, it is advisable to repoint the joints between the tiles prior to the waterproofing treatment. A cement grout should be used for this purpose. Other critical areas where waterproofing defects may occur include: junctions between the vertical walls and the terrace, ledges on the vertical walls, connections to ventilation or drainage pipes and ducts, drainage grates, expansion joints and the vertical walls surrounding the terrace. At these critical points, particular care should be taken during cleaning and repair work. MEMBRANA CUBIERTAS can be used, mixed with fine washed sand in a 2:1 ratio, or with fibreglass mesh incorporated between the coats of the waterproofing material. Once the surface has been cleaned and repaired, we can begin waterproofing the terrace.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING (Highly porous substrates, weathered unpainted surfaces, substrates with efflorescence)	TKROM FIJATIVO F4	14–18 m²/L	1:4 water	1 or 2
PRIMING (Highly porous substrates, weathered unpainted surfaces, substrates with efflorescence)	TKROM FIJADOR AL AGUA PLIOTEC	10–14 m²/L	Undiluted	1 or 2
PRIMING (Low-absorbency surfaces, aged paints)	TKROM FIXATIVE F1	14–18 m²/L	1:1 water	1 or 2
PRIMING (Substrates with microorganisms)	TKROM LIMPIADOR REFORZANTE	n.a.	Undiluted	1 or 2
PRIMER (Substrates with microorganisms)	TKROM PRIMER – SEALER AND REPAIR COAT	14–18 m²/L	Undiluted	1 or 2
PRIMER	DILUIDO ROOFING MEMBRANE	0.63 L/m²	3:1 water	1 or 2
FINISH (It is recommended to apply mesh between coats)	ROOFING MEMBRANE	1.9 L/m² (minimum final thickness: 0.9 mm)	Undiluted	2 or 3

APPLICATION CONDITIONS

Substrate and Ambient Temperature	Min. +5°C / Max. +35°C
Ambient humidity	Max. 70%
Substrate Moisture	Dry substrate with a moisture content of < 4%. Cement mortars: allow to set completely (minimum 28 days). Cement-based products: allow to dry for at least 4 days before applying the coating.
Dew point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of flaking or efflorescence.

APPLICATION RECOMMENDATIONS

Product preparation	Stir until the product is thoroughly mixed
Application method	It can be applied using a brush, a short-pile roller or by airless spraying. For airless spraying, a nozzle size of 0.38 to 0.53 mm is recommended. Due to the product's high thixotropy, high spray pressures are not required.
Preparation	Stir to ensure the product is thoroughly mixed. Adjust the viscosity with water. It is advisable to apply the second coat at right angles to the first coat to achieve optimum opacity.

ADDITIONAL INFORMATION

Health and safety	For any information regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the Safety Data Sheet, which contains information on the product's safety, environmental impact and toxicology. Safety Data Sheet: Please refer to the latest version. LER CODE: 08 01 12 WASTE TYPE: NON-HAZARDOUS
Storage	The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30 °C or falling below 5 °C for 24 months from the date of manufacture. The product must be stored in a cool, dry place, in its original, tightly sealed, undamaged packaging, protected from frost and direct sunlight.
Tariff heading	TARIC code: 3209 10 00
NOTE	The technical information contained in this document is provided in good faith, based on laboratory tests and practical experience under normal conditions. However, the data may vary, particularly when the material is tinted or when using intense colours, in which case parameters such as density or solids by volume may be affected without compromising the product's performance. Users are advised to verify the suitability of the product for their specific application and to request the relevant colour safety data sheet from their distributor for reference.